



MSDS

MATERIAL SAFETY DATA SHEET

PRODUCT TRADE NAME:

HOMAX PRODUCTS, INC.

**TOUGH AS TILE, AEROSOL COLD CAN
PART A**

ITEM # 720736,72766

HAZARDOUS MATERIAL INFORMATION SYSTEM

HEALTH

2

FLAMMABILITY

1

REACTIVITY

0

PROTECTIVE EQUIPMENT

H

(HAZARD RATING: 0=LEAST, 1=SLIGHT, 2=MODERATE, 3=HIGH,
4=EXTREME) (A=SAFETY GLASSES)

SECTION I

MANUFACTURER'S NAME:
HOMAX PRODUCTS, INC.
468 W HORTON RD.
BELLINGHAM WA 98226

24 HOUR EMERGENCY PHONE NUMBER:

CHEMTREC

1-800-424-9300

FORMATION PHONE NUMBER:

1-800-729-9029

DATE OF PREPARATION:

07/10/03

SECTION II - COMPOSITION/INGREDIENTS

CAS #	DESCRIPTION	REPORTABLE COMPONENTS	MMHG	VAPOR PRESSURE		WEIGHT
				TEMP		
000107-98-2	METHOXY PROPANOL	N/E	12.5	25C		32.97
111-76-2	BUTOXYETHANOL	ETHYLENE 25PPM-SKIN	.6	20C		20.16
	GLYCOL MONOBUTYL ETHER					
34590-94-8	DIPROPYLENE GLYCOL METHYL	100PPM TWA	.4	77F		2.16
	ETHER					
108-88-3	TOLEUNE	A TWA OF 100PPM AND STEL OF 150 PPM	47	68F		.21
67-63-0	PROPANOL	400PPM TWA	96	100F		.07

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

APPEARANCE AND ODOR:	N/A
BOILING POINT:	180F-356F
MATERIAL V.O.C.	4.39 LB/GL
COATING V.O.C.	4.39LB/GL
VAPOR DENSITY (AIR = 1):	HEAVIER THAN AIR
EVAPORATION RATE:	SLOWER THAN BUTYL ACETATE
SOLUBILITY IN WATER:	INSOLUBLE

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	45F
METHOD USED:	TCC
FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER:	1.1
UPPER:	12.7
EXTINGUISHING MEDIA:	FOAM,CARBON DIOXIDE, DRY CHEMICAL, WATER FOG

SPECIAL FIRE FIGHTING PROCEDURE:

USE FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE-FIGHTERS. WATER SPRAY MAY BE USED FOR COOLING CONTAINERS TO PREVENT POSSIBLE PRESSURE BUILD-UP AND AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

VAPORS MAY CAUSE FLASH FIRE. KEEP CONTAINERS TIGHTLY CLOSED AND ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND FLAME. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

SECTION V - REACTIVITY DATA

STABILITY:

MATERIAL IS STABLE

CONDITIONS TO AVOID:

ELEVATED TEMPERATURES SOURCES OF IGNITION

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG ACIDS AND STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

THERMAL DECOMPOSITION OR COMBUSTION CAN PRODUCE FUMES CONTAINING ORGANIC ACIDS, CARBON MONOXIDE AND CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

HIGH VAPOR/AEROSOL CONCENTRATIONS (GREATER THAN APPROXIMATELY 1000 PPM) ARE IRRITATING TO THE EYES AND THE RESPIRATORY TRACT, MAY CAUSE HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS, AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DEATH.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

MAY CAUSE EYE IRRITATION. DIRECT CONTACT MAY CAUSE STINGING, TEARING AND REDNESS.

SKIN CONTACT AND ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

WARNING: AVOID ALL CONTACT WITH SKIN. PENETRATES SKIN READILY. ANY CONTACT MAY RESULT IN ABSORPTION OF POTENTIALLY HARMFUL AMOUNTS WHICH CAN CAUSE DAMAGE TO THE KIDNEYS, LIVER, BLOOD AND /OR BONE MARROW.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

MODERATELY TOXIC. MAY CAUSE MOUTH, THROAT, ESOPHAGUS, AND STOMACH IRRITATION, NAUSEA VOMITING AND DIARRHEA. ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

HEALTH HAZARDS:

STUDIES WITH RATS HAVE SHOWN A COMPONENT OF THIS MATERIAL TO HAVE MUTANOGENIC EFFECTS. REPORTS HAVE ASSOCIATED REPEATED OR PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

CARCINOGEN DATA:

NTP CARCINOGEN: NO

IARC MONOGRAPHS: NO

OSHA REGULATED: NO

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: REMOVE TO FRESH AIR, GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED.

INGESTION: GET MEDICAL HELP IMMEDIATELY

EYES: FLUSH IMMEDIATELY WITH COPIOUS AMOUNTS OF RUNNING WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.

SKIN: REMOVE FROM SKIN WITH SOAP AND WATER.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

REMOVE ALL SOURCES OF IGNITION (OPEN FLAMES, HOT SURFACES, AND ELECTRICAL, STATIC OR FRICTIONAL SPARKS) AVOID BREATHING VAPORS, VENTILATE AREA. CONTAIN AND REMOVE WITH VERMICULITE OR OTHER INERT MATERIAL. PLACE IN A CONTAINER FOR CHEMICAL WASTE. IF LARGE SPILL, FLUSH SPILL AREA WITH WATER SPRAY AND PREVENT RUNOFF FROM ENTERING DRAINS, SEWERS, OR STREAMS.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS. INCINERATE IN APPROVED FACILITY.

PRECAUTIONS-HANDLING/STORING: DO NOT STORE ABOVE 120 DEGREES F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106. KEEP AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINERS CLOSED WHEN NOT IN USE AND UPRIGHT TO PREVENT LEAKAGE.

OTHER PRECAUTIONS: AVOID CONTACT WITH SKIN OR EYES. WASH THOROUGHLY AFTER HANDLING. HOT ORGANIC CHEMICAL VAPORS OR MISTS ARE SUSCEPTIBLE TO SUDDEN SPONTANEOUS COMBUSTION WHEN MIXED WITH AIR. IGNITION MAY OCCUR AT TEMPERATURES BELOW THOSE PUBLISHED IN THE LITERATURE AS "AUTOIGNITION" OR "IGNITION" TEMPERATURES. IGNITION TEMPERATURES DECREASE WITH INCREASING VAPOR VOLUME AND VAPOR/AIR CONTACT TIME, AND ARE INFLUENCED BY PRESSURE CHANGES.

SECTION VIII –CONTROL MEASURES

RESPIRATORY PROTECTION:

DO NOT BREATHE VAPORS. WHEN CONCENTRATIONS EXCEED THE ESTABLISHED EXPOSURE LIMIT, WEAR AN APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) UNTIL VAPORS ARE EXHAUSTED. FOLLOW RESPIRATOR MANUFACTURER'S DIRECTIONS FOR USE.

VENTILATION:

PROVIDE GENERAL CLEAN AIR DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP THE AIR CONTAMINANT CONCENTRATION BELOW THE LOWER EXPLOSION LIMIT AND BELOW CURRENT APPLICABLE EXPOSURE LIMITS. REFER TO OSHA STANDARD 1910.94.

PROTECTIVE GLOVES:

USE SOLVENT IMPERMEABLE GLOVES TO AVOID CONTACT WITH PRODUCT.

EYE PROTECTION:

DO NOT GET IN EYES. USE SAFETY EYEWEAR WITH SPLASH GUARDS OR SIDE SHIELDS, CHEMICAL GOGGLES, FACE SHIELDS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

AVOID CONTACT WITH SKIN. USE PROTECTIVE CLOTHING. PREVENT CONTACT WITH CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING, INCLUDING SHOES, BEFORE REUSE.

WORK/HYGIENIC PRACTICES:

WASH HANDS BEFORE EACH WORK SHIFT, EATING, DRINKING OR SMOKING OR USING THE TOILET. USE APPROPRIATE HAND AND SKIN LOTIONS TO PROTECT THE SKIN.

SECTION IX- TRANSPORTATION DATA/DISCLAIMER

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